

PATENT CLAIMS

1. (currently amended) A method of denticulation of a concrete joint between a first and a second cast section, ~~characterised by that~~ wherein a studded plate is used at the formwork close of the first cast section, and that the studded plate is subsequently removed before the second section is cast.

2. (currently amended) A method according to claim 1, ~~characterised by that~~ wherein the studded plate has a centre distance between the studs in the range of 20-250 mm, preferably 45-58 mm, the height of the studs is in the range of 5-50 mm, preferably 20-26 mm, and the distance between the base of the stud side walls is in the range of 0-150 mm, preferably 5-12 mm.

3. (currently amended) A method according to claim 1 ~~or 2~~, ~~characterised by that~~ wherein the studded plate has studs where the stud side wall inclination angle is greater than 60°.

4. (currently amended) A method according to claim 1, wherein ~~one of the claims 1-3~~, ~~characterised by that~~ the studded plate has bridges or backs between the studs.

5. (currently amended) A method according to ~~one of the claims 1-4~~, ~~characterised by that~~ claim 1, wherein the studded plate has a shape equivalent to a Platon DE 25 studded plate.

6. (currently amended) A method according to ~~one of the claims 1-4~~, ~~characterised by that~~ claim 1, wherein the studded plate has studs that are square, polygonal or round.

7. (currently amended) A method according to ~~one of the claims 1-4~~, ~~characterised by that~~ claim 1, wherein the studded plate has studs positioned in relation to

each other in a pattern, such as a square diamond, polygonal pattern such as a hexagon, or other symmetrical or irregular design.

8. (currently amended) A method according to claim 7, ~~characterised by that~~ wherein the pattern is oriented parallel to or square to the direction of the primary shear.

9. (currently amended) A method according to ~~any one of the above claims 1-8, characterised by that~~ claim 1, wherein the face of the studded plate toward the first cast section comprises a hose or string of swellable rubber that is partly cast into the first cast section.

10. (currently amended) A method according to ~~any one of the above claims 1-9, characterised by that~~ claim 1, wherein the denticulation is done on cast joints in bridges, tunnels, or walls for buildings, dams or -containers.

11. (currently amended) A method according to claim 10, ~~characterised by that~~ wherein the denticulation is done on cast joints in box walls on a free balanced cantilever.

12. (currently amended) A method according to ~~any one of the above claims, characterised by that~~ claim 1, wherein the denticulation is done on site or by prefabrication of components.

13. The use of a studded plate as a formwork for denticulation of cast joints between large concrete components such as in bridges, tunnels and in the walls of buildings, dams or containers, and more particularly in boxed walls on a free balanced cantilever.

14. The use according to claim 13, where the studded plate has a centre distance between the studs in the range of 20-250 mm, preferably 45-58 mm, the height of the studs is in the range of 5-50 mm, preferably 20-26 mm, and the distance between the base of

the stud side walls is in the range of 0-150 mm, preferably 5-12 mm, and even more preferably where the studded plate is a Platon DE25 plate.